



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

AUG 22 1991

MEMORANDUM

subject: Transmittal of Inspection Report - RCRA

FROM: John W. Bosky *John W. Bosky*
Chief, RCRA Monitoring Section, EMCM/ENSV

TO: Michael Sanderson
Chief, RCRA/WSTM

This memorandum transmits the following compliance monitoring inspection report performed by the RCRA Monitoring Section, Environmental Monitoring and Compliance Branch, Environmental Services Division. The inspection was a Level I MMI. The primary media was RCRA and the secondary media was SARA Title III.

Facility	EPA ID Number	Activity No	Potential Areas of Non-Compliance
Mackay-Iowa Envelopes	IAD098721517	AGR02	-waste determination -waste not dated -waste not labeled -waste drum not closed -hazardous waste management program -communication or alarm system -hazardous waste contingency plan
Mt. Pleasant, IA			

Attachments

RECEIVED
AUG 23 1991
IOWA SECTION



R00172611
RCRA RECORDS CENTER

RCRA INSPECTION REPORT RECEIPT AND FOLLOW-UP REQUEST

Facility Name: *WACKAY-IOWA ENVELOPES*

Facility Location: *MT. PLEASANT, IA*

EPA ID Number: *IAD098721517*

Date of Inspection: *08/06/91*

Inspector: *GARY WITKOVSKI*

Activity Number: *AGRO2* Inspection Type: *CBI*

Date Report Transmitted: *8/19/91*

*Date Report Received: *1 1*

*Additional Information Requested/Needed Not Included In Report:

#Photographs Taken: *4*

#Photographs in Report: *4*

*Additional Copies Needed (Specify Which)

*Additional Information Needed By: */ /*

Field Notes Taped [Yes/No] *No*

*Disposition: Retain, Discard, Transcribe.

#Samples Taken: *0*

#Samples Analyzed: *0*

*Disposition: Retain, Discard, Analyze more (specify which)

*Report Reviewed By:

*Date Review Completed: */ /*

*Items to be completed by RCRA Branch, WSTM and returned to Chief, Field Investigations Section, EMCM/ENSV

REPORT OF RCRA COMPLIANCE INSPECTION

AT

MACKAY-IOWA ENVELOPES
P.O. Box 617
Harvey Road, Hays Industrial Park
Mt. Pleasant, Iowa 52641
(319) 385-9061

EPA ID Number: IAD098721517

ON

August 6, 1991

BY

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VII
Environmental Services Division

INTRODUCTION

At the request of the Waste Management Division (WSTM), a RCRA Compliance Evaluation Inspection (CEI) was conducted at Mackay-Iowa Envelopes, Mt. Pleasant, IA, on August 6, 1991. The inspection was conducted under the authority of Section 3007 of the Resource Conservation and Recovery Act (RCRA), as amended. The inspection was a Level I MMI. The primary media was RCRA and the secondary media was SARA Title III. This narrative report and attachments present the results of the inspection.

PARTICIPANTS

Mackay-Iowa Envelopes (Mackay):

Ron Clouse, Plant Manager
Louie Tuller, Maintenance Supervisor

U.S. Environmental Protection Agency (EPA):

Gary R. Witkovski, Environmental Engineer (Project Leader)
David N. Whiting, Environmental Engineer

INSPECTION PROCEDURES

Upon arrival at the facility I contacted Mr. Clouse, who acted as the official facility representative. Mr. Whiting and I presented Mr. Clouse with our EPA identification and I explained the purpose of the inspection and the procedures I would follow. I provided Mr. Clouse with the RCRA Inspection Confidentiality Notice which he signed as acknowledgement of receipt (attachment 1). I also provided Mr. Clouse with a copy of the U.S. Federal Code 1001, which he read, concerning false statements to federal inspectors. During this inspection, I discussed and reviewed the

facility's operations, wastes generated and waste management practices. During the visual inspection of the facility's waste management areas I was accompanied by Mr. Clouse. After the visual inspection we were joined by Mr. Tuller, Maintenance Supervisor. At the conclusion of the inspection I summarized and reviewed my findings with Mr. Clouse and provided him with the Request For Confidential Treatment form, a Receipt For Samples and Documents form, and a Notice of Violation (NOV), all of which he signed as acknowledgement of receipt (attachments 2 through 4). A Level I Multi-Media Screening Inspection, secondary media SARA Title III, was completed while at Mackay (please refer to Multi-Media report file for inspection results). Also a pollution prevention checklist was completed (attachment 5).

Mr. Whiting accompanied me during the inspection as part of my training.

FACILITY DESCRIPTION

Mackay is an envelope manufacturer with printing as an incidental process. They manufacture billing envelopes (with and without cellophane windows), photo mailers, "junk mail" envelopes, customer special order envelopes, etc.. All printing is done at the customers' request. The facility has been in operation, at this site, since the fall of 1979. The original building had a total of 25,000 sq. feet. Through several expansions, the last one in 1989, the size of the building has increased to 90,000 sq. feet. Mackay employs 120 full time employees, utilizing three shifts to operate 24 hours a day, Monday thru Friday. If necessary, they will work a Saturday to satisfy customer needs.

WASTE STREAMS

The wastes generated by Mackay are as follows:

1. Scrap Paper

Large rolls of plain paper are used to manufacture the envelopes. Any color required is added during the printing process. Scrap paper and scrap envelopes (do not meet specifications) are separated into two categories, plain white and printed or colored paper. These are baled separately with an on-site baler. The bales are then loaded into a semi-trailer. When the trailer is full it is taken to City Carton Company, a paper recycler located in Mt. Pleasant, IA.

2. Waste Glue

There are three types of glues used, seal gum (used for licking), back seam glue (attachment 6) and self seal glue (attachment 7). The glues used are all a water based set up glue and are stored in a tank with two compartments, a 2800 gal. compartment for the

seal gum and a 1350 gal. compartment for the seam gum. The glue is transferred to the presses in 5 gal. pails. Each press has a drip pan to catch unused glue, which is reused in the process and the drip pan is washed in a sink with tap water. The sink drains to the city sewer. A thin layer of glue will harden in the pail. This is peeled out and put in the general trash.

3. Used Oil

There are 3 fork lifts and 2 large air compressors at the facility, but Mr. Clouse did not know if any waste oil was generated from them, he stated we would have to ask Mr. Louie Tuller the Maintenance Supervisor. Mr. Tuller stated that they generate approximately 8 to 10 gals. per month of waste oil. Mr. Tuller takes the waste oil to a tank, owned and operated by the City of Mt. Pleasant, for recycling. When asked what is done with the spent oil filters, Mr. Tuller stated that they are drained and put in the general trash. He estimated that they generate approximately 5 or 6 spent oil filters every 6 weeks.

4. Parts Washer Waste

Mackay parts washer contains a caustic solution to clean parts when rebuilding the water based ink presses (attachment 8). Mr. Tuller stated the parts washer has a 100 gal. capacity and is drained and cleaned once a month. The caustic solution is drained to the city sewer. The sludge in the bottom of the tank is put in a 5 gal. pail and placed in the general trash. Mr. Tuller estimated that approximately 1 to 2 gals. of sludge is generated each time the tank is cleaned.

5. Waste Ink

Mr. Clouse stated that in January 1988 Mackay switched, almost exclusively to a water based ink (attachment 9). The ink is mixed with water in the fountains where it is applied to the rollers. The fountains are rinsed with water when there is a color change. The rinse water is then used to thin the ink. On Fridays the ink is removed from the fountains and they are washed in the sink. The fountains are left empty over the weekend.

A minor amount of printing still requires the use of an alcohol based ink (attachment 10). Mr. Clouse stated there are 6 presses that still use alcohol based inks and they are used 10 to 12 times a week. Isopropanol is used to mix with the ink (attachment 11). The ink in the fountains is reused to thin new ink. When colors are changed the fountains are cleaned with alcohol which is reused. The fountains utilize a plastic filter media to remove any solids. When the fountains are cleaned the filters are rung out and put in the general trash. Mr. Clouse stated that about 4 spent filters per week are generated. The ink is stored in a "flammable" room in 5 gal. pails until it is

to be reused or manifested off site for disposal. These fountains are also left empty over the weekend.

6. Press Cleaners And Conditioners

The lithograph presses use a variety of cleaners and conditioners. Web wash is used once a week to strip ink off of the rollers (attachment 12). This wash is applied to a rag to clean and polish the rollers.

Plate etch is used to stabilize the image and keep the details clear on the plate (attachment 13). A plate cleaner and preservative are also used (attachments 14 and 15). The plate etch, plate cleaner, and plate preservative are poured onto paper towels then applied to the plate.

The plates print onto a blanket which transfers the image to the paper. This blanket requires periodic applications of a conditioner to keep it pliable (attachment 16). The conditioner is applied to a paper towel and then to the blanket.

7. Spent Rags

Mackay has a shop rag service under contract to deliver 1,000 rags per week and to pick up all used rag for cleaning. The rag service is provided by, Aratex Services Inc., 390 42 nd. street, East Moline, IL 61244. Of the 1,000 rags delivered each week, Mr. Clouse estimated that, 300 to 400 are used solely to clean the lithograph presses. The remainder are used to clean hands, tools, spills, etc..

8. General Trash

The general trash, office paper, broken wooden pallets, and lunch room waste are collected by Whaley Waste of Mt. Pleasant, IA. Mr. Clouse stated this waste is collected approximately 3 times a month and taken to the Fort Madison County landfill.

FINDINGS AND OBSERVATIONS

1. RCRA Status

Mackay-Iowa Envelopes submitted a Notification of Hazardous Waste Activity in May 1982 as a generator of D001 waste. Currently Mackay is a large quantity generator due to the storage of the ten 55 gal. drums of waste ink being stored for disposal (9 are full and 1 is approximately 2/3 full). Based on information reviewed at Mackay during the inspection, it would appear that they have historically been a large quantity generator on a batch basis (attachment 17). This has been due to the disposal of large quantities of old or unwanted inks. Waste ink manifested off site is as follows:

<u>Date</u>	<u>55 Gal. Drums</u>	<u>Total Gallons</u>
09/15/82	3	165
10/12/83	10	550
07/09/84	7	385
02/20/86	20	1100
01/14/87	7	350
10/20/87	8	440
12/01/87	68	3740
11/15/89	12	600

In 1982 and 1983 the waste ink was manifested to Barton Solvents in Bettendorf, IA. In 1984 it was to Ashland Chemical in Moline, IL. In 1986 and the first two shipments in 1987 were to LWD in Calvert City, KY. The shipments to LWD were listed as non-hazardous on the manifests. The last shipment in 1987 was to Heritage Environmental Services in Indianapolis, IN. In 1989 it was to PCIA in East Chicago, IN.

Mr. Clouse stated that since they are doing less alcohol based ink printing, he does not anticipate any more large batches of this ink being manifested for disposal.

2. Hazardous Waste Determination

A hazardous waste determination has not been made on the spent solvent soaked shop rags, waste paper towels soaked with solvent, spent filter media from the lithograph fountain solution, and used oil filters. As stated above the rags are being sent out for cleaning and the remaining items are being put in the general trash. A hazardous waste determination is needed for this waste as required by 40 CFR 262.11, (#1 on the NOV)

I asked Mr. Clouse if a hazardous waste determination was ever made on the sludge from the parts washer. He stated that to his knowledge one was never done.

3. Storage Containers

The ten 55 gal. drums of waste ink, in the storage room, were not labeled or dated and one drum was open, see photos 1 thru 4. This is a violation of 40 CFR 262.34 (a)(3)&(4) and 265.173 (a), (#2, 3, & 4 on the NOV).

Mr. Clouse stated that on August 6, 1991, over 100 five gal. pails were determined to be waste ink. The pails were then emptied into the 55 gal. drums for disposal. Alter Environmental Services Inc. of Davenport, IA was contacted for a proposal to transport and dispose of the waste ink (attachment 18). Mr. Clouse stated that he was waiting for the labels from Alter Environmental Services Inc.

4. Storage Area

I asked Mr. Clouse if the containers in the storage/flammable room were inspected on a weekly basis. He stated that every Friday someone from the facilities safety committee inspects this room. They make sure that the exhaust fan is operating and that all product containers are grounded. The condition of the waste containers are not specifically checked. Mr. Clouse stated that once the decision is made that a product is a waste it is transferred to 55 gal. drums and manifested for disposal as quickly as possible.

5. Training

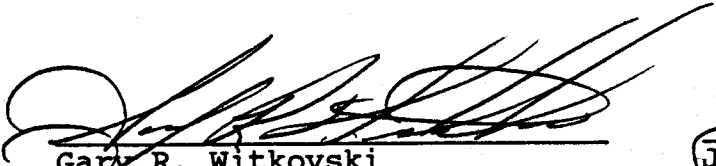
Mr. Clouse stated they have a safety program that all new employees are required to attend. This program includes plant safety, proper lifting techniques, a hazardous substance film, etc.. They try to provide a yearly refresher course to all employees, but if an employee is gone that day they are not required to attend. Mr. Clouse stated they do not have a hazardous waste management personnel training program. This is a violation of 40 CFR 265.16 (d), (#5 on the NOV).


6. Access To Communications Or Alarm System

I asked Mr. Clouse if there was a telephone or some other form of communication device available to the employees while working with the hazardous waste, he said that none was available. I then asked him if the employees were required to work in pairs, he said that was not required and they normally work alone. This is a violation of 40 CFR 265.34, (#6 on the NOV).

7. Contingency Plan

I asked Mr. Clouse if they had a hazardous waste contingency plan, he said they had one for a fire and one for a tornado but nothing for hazardous waste. This is a violation of 40 CFR 265.51, (#7 on the NOV).


Gary R. Witkovski
Environmental Engineer
Date: 8-19-91
Activity No.: AGR02


John W. Bosky
Chief, RCRA Monitoring Section
Date: 8/21/91

Attachments

1. Confidentiality Notice (2 pages)
2. Request For Confidential Treatment (1 page)
3. Receipt For Samples and Documents (1 page)
4. NOV (2 pages)
5. Pollution Prevention Worksheet (1 page)
6. Back Seam Glue MSDS (2 pages)
7. Self Seal Glue MSDS (2 pages)
8. Caustic Cleaner MSDS (3 pages)
9. Printing Ink MSDS (2 pages)
10. Solvent Ink MSDS (2 pages)
11. Isopropanol MSDS (2 pages)
12. Web Wash MSDS (2 pages)
13. Citro Plate Etch MSDS (2 pages)
14. Plate Cleaner MSDS (2 pages)
15. Pure Gum Arabic, plate preservative, MSDS (2 pages)
16. Blanket Conditioner MSDS (2 pages)
17. Hazardous Waste Manifest (2 pages)
18. Alter Environmental Services Inc. Proposal (6 pages)

Photographs (2 pages/4 photos)

U.S. ENVIRONMENTAL PROTECTION AGENCY
RCRA INSPECTION
CONFIDENTIALITY NOTICE

Name and Address of Inspector(s) <i>GARY WITKOWSKI</i> U.S. EPA, Region VII ENSV Division <i>FEDERAL BLDG., Rm. 167</i> 25 Funston Road <i>210 W. 11th St.</i> Kansas City, Kansas <i>66115</i> <i>Des Moines, IA 50309</i>	Name and Address of Facility <i>MACCAT-Iowa Envirocorp</i> <i>P.O. Box 617</i> <i>HARVEY RD HARVEY INDUSTRIAL PARK</i> <i>MT. PLEASANT IA 52641</i> Owner, Operator, or Agent in Charge <i>RON CLAUSS</i> Title <i>PLANT MANAGER</i> Address <i>P.O. Box 617</i> <i>HARVEY RD</i> <i>MT. PLEASANT IA 52641</i>	
Name of Individual to Whom Notice Given <i>RON CLAUSS</i>	Title <i>PLANT MANAGER</i>	Date <i>8-7-91</i>

It is possible that EPA will receive public requests for release of the information obtained during inspection of the facility above. Such requests will be handled by EPA in accordance with provisions of the Freedom of Information Act (FOIA), 5 U.S.C. 552; EPA regulations issued thereunder, 40 CFR Part 2; and the Resource Conservation and Recovery Act, Section 3007, as amended. EPA is required to make inspection data available in response to FOIA requests, unless the Administrator of the Agency determines that the data contains information entitled to confidential treatment.

Any or all of the information collected by EPA during the inspection may be claimed confidential, if it relates to trade secrets or commercial or financial matters that you consider to be confidential. If you make claims of confidentiality, EPA will disclose the information only to the extent, and by the means of the procedures set forth in the regulations (cited above) governing EPA's treatment of confidential information. Among other things, the regulations require that the EPA notify you in advance of publicly disclosing any information you have claimed and certified confidential.

To claim information confidential, you must certify that each claimed item meets all of the following criteria:

1. Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.
2. The information is not, and has not been, reasonably obtained without your company's consent by other persons (other than governmental bodies) by use of legitimate means (other than discovery based on a showing of special need in a judicial or quasi-judicial proceeding).
3. The information is not publicly available elsewhere.
4. Disclosure of the information would cause substantial harm to your company's competitive position.

At the completion of the inspection, you will be given a receipt for all documents, samples, and other materials collected. At that time you may make claims that some or all of the information is confidential and meets the four criteria listed above.

RCRA INSPECTION CONFIDENTIALITY NOTICE	Facility <i>MACRAH - IOWA ENVELOPES</i>
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If you are not authorized by your company to make confidentiality claims, this notice will be sent by certified mail, along with the receipt for documents, samples, and other materials, to the Owner, Operator, or Agent in Charge of your firm, within two days of this date. That person must return a statement, specifying any information which should receive confidential treatment.

This statement from the Owner, Operator, or Agent in Charge should be addressed to:

Mr. David A. Wagoner
Director, Waste Management Division
United States Environmental Protection Agency
726 Minnesota Avenue
Kansas City, Kansas 66101

and mailed by registered, return-receipt requested mail with in seven (7) calendar days of receipt of this Notice.

Failure by your firm to submit a written request that information be treated as confidential, either at the completion of the inspection or by the Owner, Operator, or Agent in charge, within the seven-day period, will be treated by the EPA as a waiver by your company of any claims for confidentiality regarding the inspection data.

To be completed by the facility official receiving this Notice:

I have received and read this Notice.

Name *Ronald J Clouse*

Title *PLT MGR*

Signature *Ronald J Clouse*

Date *8/7/91*

If there is no one on the premises of the facility who is authorized to make business confidentiality claims for the firm, a copy of this Notice and other inspection materials will be sent to the Owner, Operator, or Agent in charge of the company. If there is another company official who should also receive this information, please designate below:

Name _____

Title _____

Address _____

U.S. ENVIRONMENTAL PROTECTION AGENCY
726 MINNESOTA AVENUE
KANSAS CITY, KANSAS 66101

REQUEST FOR CONFIDENTIAL TREATMENT

Name of Individual <i>RON CLAUSE</i>	Title <i>Plant Manager</i>	Date <i>8-7-91</i>
Firm Name <i>MACHAY-IOWA ENVELOPES</i>	Firm Address <i>P.O. Box 417 HARVEY RD HARVEY INDUSTRIAL PARK MT. PLEASANT, IA 52641</i>	

Information for which Confidential Treatment is requested:

NONE

Acknowledgement of Claimant

The undersigned requests that confidential treatment of the information described be provided in accordance with provisions of the Freedom of Information Act (FOIA), 5 U.S.C. 552; EPA regulations issued thereunder, 40 CFR Part 2; and the Resource Conservation and Recovery Act (RCRA), Section 3007, as amended. The undersigned further acknowledges that he/she is authorized to make such claims for his/her firm.

The undersigned also certifies that each item described above meets all of the following criteria:
(1) The company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures; (2) The information is not, and has not been, reasonably attainable without the company's consent by other persons (other than governmental bodies) by use of legitimate means (other than discovery based on a showing of special need in a judicial or quasi-judicial proceeding; (3) The information is not publicly available elsewhere; and (4) Disclosure of the information would cause substantial harm to the company's competitive position.

Signature (Owner, Operator, or Agent) <i>Ronell Clause</i>		Title <i>Plant Mgr.</i>
Name of Inspector <i>EARLY WITKOWSKI</i>	Title <i>ENVIRONMENTAL ENGINEER</i>	Inspector's Signature <i>[Signature]</i>

U.S. ENVIRONMENTAL PROTECTION AGENCY
RECEIPT FOR SAMPLES AND DOCUMENTS

Inspector(s) Name and Address: GARY W. TROVANI U.S. EPA, Region VII ENSV Division 25 Funston Road Kansas City, Kansas 66115 Des Moines, IA 50309		Firm Name and Address MACHAN-LOWE ENVELOPES P.O. Box 417 HARVEY RD. HARVEY INDUSTRIAL PARK MT. PLEASANT, IA 52641	
		Name of Individual RON COUSE	
		Title PLANT MANAGER	
Date Collected 8-7-91	Samples were: <input type="checkbox"/> PURCHASED <input checked="" type="checkbox"/> RECEIVED NO CHARGE <input type="checkbox"/> BORROWED		
Sample Numbers	Amount Paid for Samples		
Duplicate Samples Requested <input type="checkbox"/> YES <input type="checkbox"/> NO	Method of Payment <input type="checkbox"/> CASH <input type="checkbox"/> VOUCHER <input type="checkbox"/> TO BE BILLED		

The documents and samples of chemical substances and/or mixtures described below were collected in connection with the administration and enforcement of the Resource Conservation and Recovery Act.

Receipt for the document(s) and/or sample(s) described below is hereby acknowledged:

- 1) MSDS CADENCE 76 BACK SEAM, GUM (2 PAGES)
- 2) MSDS RESYN SELF SEAL 35-4996, GUM (2 PAGES)
- 3) MSDS ROT REFLEX BLUE PMS-6000-MD (2 PAGES)
- 4) 500 MSDS SOLVENT INK (2 PAGES)
- 5) MSDS PURE GUM ARABIC (2 PAGES)
- 6) MSDS ISOPROPANOL (2 PAGES)
- 7) MSDS KODAK POLYMATIC PLATE CLEANER (2 PAGES)
- 8) MSDS VARN WEB WASH (2 PAGES)
- 9) MSDS RBP BLANKET CONDITIONER (2 PAGES)
- 10) MSDS CITRO PLATE ETCH (2 PAGES)
- 11) MSDS COMPOSITE FOUNTAIN SOLUTION (2 PAGES)
- 12) MSDS POWER STRIP (2 PAGES)
- 13) MSDS FOR ROSOS RESEARCH LABORATORIES (15 PAGES)
- 14) 1989 HAZARDOUS WASTE MANIFEST (2 PAGES)
- 15) AFTER ENVIRONMENTAL SERVICES INC. PROPOSAL FOR TRANSPORTATION AND DISPOSAL OF WASTE INK (6 PAGES)

Signature (Owner, Operator, or Agent) F. H. Clow Title PLT Mgr.	
Name of Inspector GARY W. TROVANI Title ENVIRONMENTAL ENGINEER	Inspector's Signature

**Notice of Violation Pursuant to Requirements
of the Resource Conservation and Recovery Act (RCRA)**

TO: Facility Name: MacKay-Lewis Envelopes
 Address: Box 617, Harvey Rd Harvey, Louisiana 70059
Mr. President, 1st Floor
 EPA ID Number: TAD098721517 Date: 8-7-91

During an inspection just completed to determine compliance with the requirements of Subtitle C of RCRA and regulations promulgated pursuant thereto, the following violations were identified:

<u>Citation</u>	<u>Description of Violation</u>
<u>40CFR 262.11</u>	<u>FAILURE TO MAKE A HAZARDOUS WASTE DETERMINATION</u> <u>ON SPENT SHOP RAGS, WASTE PAPER TOWELS SOAKED</u> <u>WITH SOLVENT, SPENT FILTER MEDIA FROM</u> <u>WIND FOUNTAIN SOLUTION, & USED OIL FILTERS.</u>
<u>40CFR 268.34(a)(3)</u>	<u>WASTE INK DRUMS NOT DATED</u>
<u>40CFR 268.34(a)(4)</u>	<u>WASTE INK DRUMS NOT LABELED</u>
<u>40CFR 268.173(a)</u>	<u>WASTE INK DRUM NOT CLOSED</u>
<u>40CFR 265.16(a)</u>	<u>FAILURE TO HAVE A HAZARDOUS WASTE</u> <u>MANAGEMENT PLAN</u>
<u>40CFR 265.24</u>	<u>FAILURE TO HAVE COMMUNICATIONS OR ALARM</u> <u>SYSTEM AT THE HAZARDOUS WASTE STORAGE AREA</u>
<u>40CFR 265.51</u>	<u>FAILURE TO HAVE A FACILITY CONTINGENCY PLAN</u> <u>FOR HAZARDOUS WASTE MANAGEMENT.</u>

This notice is provided to call your attention to those areas of noncompliance at the earliest possible time. This notice does not constitute a compliance order (Administrative Civil Complaint) issued pursuant to Section 3008 of RCRA and may not be a complete listing of all violations which may be identified as a result of this inspection.

Mr. MacKay-Lewis Envelopes is hereby requested to submit in writing within 10 days of receipt of this notice a description of all corrective actions taken and/or a schedule for completion of necessary correction actions to be taken to: Mr. Mack Sanders, Chief, RCRA Branch, U. S. Environmental Protection Agency, Region VII, 726 Minnesota Ave., Kansas City, Kansas, 66101. The corrective actions taken by MacKay-Lewis Envelopes will be considered in subsequent enforcement follow-up. Should civil penalties be assessed, corrective action(s) will be considered in assessing the penalty amount.

If you have any questions on this Notice or wish to discuss your response, you may call Anna Moreno (U. S. EPA) at (913) 551-7880, or Anna Sanders, (EPA Section), at (913) 551-7883.

This Notice prepared by GARY J. JONKOWSKI Date: 8-7-91

The undersigned person hereby acknowledges that he/she has received a copy of this Notice and has read same.

Printed Name: RONALD J. CLOUSE Date: 8/7/91

Signature: Ronald J. Clouse

Title: Plant Mgr.

IV-7

Notice of Violation Pursuant to Requirements
of the Resource Conservation and Recovery Act (RCRA)

TO: Facility Name: WACHAT-LAND ENVELOPES
 Address: RR 117 HARVEY RD HARVEY, LOUISIANA 70055
UNIT 117 REEFER IN GRN Date: 2-7-71
 EPA ID Number: LA0075721517

During an inspection just completed to determine compliance with the requirements of Subtitle C of RCRA and regulations promulgated pursuant thereto, the following violations were identified:

Description of Violation

Citation

40CFR 262.11

FAILURE TO HAVE A HAZARDOUS WASTE DETERMINATION
CONDUCTED BY A QUALIFIED PERSON
AND SPENT SHAP PARTS, WASTE PAPER THINGS SENT
WITH SOLVENT SPENT FILTER MEDIA FROM
WITHO PLUMBING JOINTS AND USED OIL FILTERS

40CFR 262.34(a)(3)

WASTE OIL DRUMS NOT DATED

40CFR 262.34(a)(4)

WASTE OIL DRUMS NOT LABELED

40CFR 265.173(a)

WASTE OIL DRUM NOT CLOSED

40CFR 265.16(a)

FAILURE TO HAVE A HAZARDOUS WASTE
MANAGEMENT PROGRAM

40CFR 265.34

FAILURE TO HAVE COMMUNICATIONS OR ALARM
SYSTEM AT THE HAZARDOUS WASTE STORAGE AREA

40CFR 265.51

FAILURE TO HAVE A FACILITY CONTINGENCY PLAN
FOR HAZARDOUS WASTE MANAGEMENT

This notice is provided to call your attention to those areas of noncompliance at the earliest possible time. This notice does not constitute a compliance order (Administrative Civil Complaint) issued pursuant to Section 3008 of RCRA and may not be a complete listing of all violations which may be identified as a result of this inspection.

The WACHAT-LAND ENVELOPES is hereby requested to submit in writing within 10 days of receipt of this notice a description of all corrective actions taken and/or a schedule for completion of necessary correction actions to be taken to: REGARD L. G. STANLEY
 Chief, RCRA Branch, U. S. Environmental Protection Agency, Region VII, 726 Minnesota Ave., Kansas City, Kansas, 66101. The corrective actions taken by WACHAT-LAND ENVELOPES will be considered in subsequent enforcement follow-up. Should civil penalties be assessed, corrective action(s) will be considered in assessing the penalty amount.

If you have any questions on this Notice or wish to discuss your response, you may call DAVID W. ROSEN (U. S. EPA) at (913) 551-7300, or JOHN L. GUSTAFSON, at (913) 551-7088.

This Notice prepared by GARY L. JENNINGS Date: 2-7-71

The undersigned person hereby acknowledges that he/she has received a copy of this Notice and has read same.

Printed Name: RONALD J. CLEUSE Date: 8/7/91
 Signature: Ronald J. Cleuse
 Title: Plant Manager

POLLUTION PREVENTION WORKSHEET

1. Do the manifests used by the facility certify that a pollution prevention program is in place (specific wording listed under 40 CFR 262 Appendix): Yes ☒ No ☐ Further Explanation: _____

2. Does the facility biennial report contain a description of pollution prevention efforts and achievements (specific requirements listed under 40 CFR 262.41 a.6 & a.7, 264.75 h & i, and 265.75 h & i): Yes ☐ No ☒ Further Explanation: HAS NOT SUBMITTED A BIENNIAL REPORT SINCE 1986

3. If facility is a permitted TSD, does the operating record contain an annual certification that a pollution prevention program is in place (specific wording listed under 40 CFR 264.73 b.9): Yes ☐ No ☒ N/A ☒ Further Explanation: _____

4. Does the facility have a written pollution prevention program: Yes ☐ No ☒ Further Explanation: _____

IF YES, ATTEMPT TO OBTAIN A PHOTOCOPY; COPY ATTACHED: YES ☐ NO ☒

5. If the facility does not have a written pollution prevention program, does the facility have an unwritten program that can be verbally described: Yes ☒ No ☐ N/A ☐ Further Explanation: _____

SUMMARY OF VERBAL DESCRIPTION: TO REDUCE COSTS & IF THIS CAN BE DONE BY RECYCLING OR POLLUTION PREVENTION IT IS IMPLEMENTED

NOTE: THERE IS NO REQUIREMENT FOR A POLLUTION PREVENTION PROGRAM TO BE WRITTEN, AND SPECIFIC REGULATORY CRITERIA HAVE NOT BEEN ESTABLISHED FOR POLLUTION PREVENTION PROGRAMS. THE INSPECTOR SHOULD NOT CONDUCT A TECHNICAL REVIEW OF WRITTEN OR VERBAL PLANS.

6. If the facility has a written or verbal pollution prevention program, is this program actually being implemented: Yes ☒ No ☐ Further Explanation: _____

7. Is facility complying with any additional pollution prevention requirements established by a permit or enforcement action: Yes ☐ No ☒ N/A ☒ Further Explanation: _____

8. ENCOURAGE THE FACILITY TO BEGIN/CONTINUE POLLUTION PREVENTION EFFORTS: Accomplished ☒

9. PROVIDE THE FACILITY WITH THE FOLLOWING INFORMATION:

Appropriate Fact Sheet(s): Accomplished ☒
(Multimedia plus industry specific if appropriate)
State Contact Information: Accomplished ☒
Clearinghouse Information: Accomplished ☒

#19
Gund

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OSHA No. 101-101
VI-1

MATERIAL SAFETY DATA SHEET

November 11, 19

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I		See Attached Comments
MANUFACTURER'S NAME National Starch and Chemical Corporation	EMERGENCY TELEPHONE NO. 201 685-5000	
ADDRESS (Number, Street, City, State, Zip) P.O. Box 6500, Bridgewater, New Jersey 08807		
CHEMICAL NAME AND SYNONYMS N/A (not applicable)	TRADE NAME AND SYNONYMS IF CADENCE 76 BACK SEAM (32-7603)	
CHEMICAL FAMILY N/A	FORMULA N/A	

SECTION II - HAZARDOUS INGREDIENTS					
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TL (Un)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TL (Un)
Sodium Metaborate				10555-76-7	>1 mg/
Sodium Tetraborate				1303-96-4	>1 mg/

SECTION III - PHYSICAL DATA			
BOILING POINT (°F based on H ₂ O appr.)	212	SPECIFIC GRAVITY (H ₂ O=1)	appr. 1.27
VAPOR PRESSURE (mm Hg.) @ 20°C based on H ₂ O appr.	17.5	PERCENT VOLATILE BY WEIGHT %	appr. 40
VAPOR DENSITY (AIR=1) based on H ₂ O appr.	0.62	EVAPORATION RATE (water = 1)	1
SOLUBILITY IN WATER as supplied completely miscible			
APPEARANCE AND ODOR Off-white fluid product, characteristic sl. sweet odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	Let Uet
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES N/A			
UNUSUAL FIRE AND EXPLOSION HAZARDS N/A			

VI-2

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

N/A

EFFECTS OF OVEREXPOSURE

Eyes:Sl.irritation. Skin:Possibility of sl.irritation on continued or prolonged exposure. Inhalation:Not a problem under ordinary usage. Ingestion:Not significantly toxic but should be avoided.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:Flush with water. Skin:Flush with water. Obtain medical assistance for unusual exposure.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Scoop up large quantities into suitable containers. Mop up with wet rags, flush with water.

WASTE DISPOSAL METHOD
In accordance with federal and/or state regulations covering solid waste disposal.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Not normally required.

VENTILATION

LOCAL EXHAUST

Normal ventilation generally adequate

MECHANICAL (General)

SPECIAL

OTHER

PROTECTIVE GLOVES

Neoprene (when required)

EYE PROTECTION

Goggles to avoid splashes

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep from freezing.

OTHER PRECAUTIONS

Store at room temperature. Keep covered to prevent drying out. Avoid contamination.

Do not mix with other adhesives.

MATERIAL SAFETY DATA SHEET

Required under OSHA Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917) March 8, 1985

SECTION I

See Attached Comments

MANUFACTURER'S NAME

National Starch and Chemical Corporation

EMERGENCY TELEPHONE NO.

201 755-4100

ADDRESS (Supplier Street City State and ZIP Code)
P.O. Box 1900, Nutley, New Jersey 08807

CHEMICAL NAME AND SYNONYMS
N/A (not applicable)

PRODUCT IDENTIFICATION
RESIN SELF SEAL 35-61960

CHEMICAL FAMILY
N/A

FORMULA
N/A

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CURE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Ammonia				7664-41-7	less than 0.2 50ppm

SECTION III - PHYSICAL DATA

BOILING POINT (°F based on H ₂ O, appr.)	212	SPECIFIC GRAVITY (H ₂ O=1)	appr.	0.97
VAPOR PRESSURE (mm Hg.) @ 20°C based on H ₂ O, appr.	17.5	PERCENT VOLATILE BY WEIGHT %	appr.	40
VAPOR DENSITY (AIR=1 based on H ₂ O, appr.)	0.62	EVAPORATION RATE (water = 1)		1
SOLUBILITY IN WATER	completely miscible			
APPEARANCE AND ODOR	Off-white creamy liquid, with characteristic ammonia odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	N/A			
SPECIAL FIRE FIGHTING PROCEDURES	N/A			
UNUSUAL FIRE AND EXPLOSION HAZARDS	N/A			

SECTION V - HEALTH HAZARD DATA

VII-2

THRESHOLD LIMIT VALUE
See Section II

EFFECTS OF OVEREXPOSURE

Eyes: Irritation, alkaline pH. Skin: Irritation, chapping. Inhalation: Possible irritation of respiratory passages on excessive exposure (such as head space of opened container). No problem in many years of industrial usage.

EMERGENCY AND FIRST AID PROCEDURES

Ingestion: Induce vomiting if large amount. Eyes: Flush out with water. Skin: Flush with water. Inhalation: Remove to fresh air. Obtain medical assistance for unusual exposure.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
Compounds that react with water.			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Mop up waste, flush with water.

WASTE DISPOSAL METHOD

In accordance with federal and/or state regulations covering solid waste disposal.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)
Not normally required.

VENTILATION	LOCAL EXHAUST Recommended	SPECIAL
	MECHANICAL (General) Recommended	OTHER
PROTECTIVE GLOVES Recommended		EYE PROTECTION Goggles with side shields
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep from freezing. Avoid contact with copper and copper containing metals.

OTHER PRECAUTIONS
Store at room temperature. Keep covered to prevent drying out. Avoid contamination.
Do not mix with other adhesives.

GPO 934-170

Form OSHA-20
Rev. May 72

PAGE (2)

B14

B. L. Sullivan (201)685-5385
7/16/84



CAUSTIC
CLEANER

Man-GILL CHEMICAL COMPANY VIII-1

23000 ST. CLAIR AVE. • CLEVELAND, OHIO 44117 • 800-328-9745

EMERGENCY 24 HOUR CHEMTREC NO. 800-424-9300

MATERIAL SAFETY DATA SHEET

8-2010

Section I

Identity POWER STRIP 642-D	Date Printed 08/26/88	Date Revised 07/01/88
MSHA CODE: HEALTH: 3	FLAMMABILITY: 0	REACTIVITY: 1

Section II - Hazardous Ingredients

Hazardous Ingredients	CAS #	Health Hazards	ACGIH TLV-TWA
SODIUM HYDROXIDE (CAUSTIC SODA BEADS)	1310-73-2	CORROSIVE, TOXIC	2 MG/CUM
PARA-PHENYLPHENOL	92-69-3	5 MG/CUM MANUFACTURER'S RECOMMENDED LIMIT	NOT ESTABLISHED

NO COMPONENT WAS FOUND TO BE CARCINOGENIC IN NTP, IARC OR OSHA

Section III - Physical/Chemical Characteristics

Boiling Point NOT DETERMINED	Specific Gravity(H ₂ O=1) NOT DETERMINED
Vapor Pressure(mm Hg) NOT DETERMINED	Percent Volatile By Volume (%) NOT DETERMINED
Vapor Density (AIR=Reference) NOT DETERMINED	Evaporation Rate (Ether=Reference) NOT DETERMINED
Water Soluble YES	
Appearance and Odor TAN POWDER, OODORLESS	

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) NOT FLAMMABLE	Flammable Limits NOT APPLICABLE	LEL	UEL
--	------------------------------------	-----	-----

Extinguishing Media: ALTHOUGH MATERIAL IS NON-FLAMMABLE, KEEP CONTAINER COOL WITH WATER SPRAY IF FIRE OCCURS.

Special Fire Fighting Procedures: WEAR SELF CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE AND PROTECTIVE CLOTHING WHILE FIGHTING FIRES.

Unusual Fire and Explosion Hazards: NONE KNOWN.

Section V - Reactivity Data

STABILITY	Unstable	Conditions to Avoid
	Stable	NONE KNOWN

METAL PROCESSING SYSTEMS



MATERIAL SAFETY DATA SHEET

POWER STRIP 642-D

DATE

Section V - Reactivity Data Cont.

INCOMPATIBILITY (Materials to Avoid)

ACIDS AND SOFT METALS

Hazardous Decomposition Products

NONE KNOWN

HAZARDOUS
POLYMERIZATIONMay Occur
Will Not Occur *Conditions to Avoid
NONE

Section VI - Health Hazard Data

Effects of Overexposure

MAY CAUSE SKIN BURNS AND DERMATITIS. IRRITATING TO THE EYES WITH POSSIBLE BURNS AND SEVERE EYE DAMAGE. INHALATION MAY BE CORROSIVE TO THE RESPIRATORY TRACT, MUCOUS MEMBRANES, NOSE, THROAT AND LUNGS. INGESTION MAY DAMAGE MOUTH, ESOPHAGUS, STOMACH AND OTHER TISSUE. MAY ALSO CAUSE NAUSEA AND VOMITING.

Emergency and First Aid Procedures

Eye (Contact): FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES AND CONTACT PHYSICIAN IMMEDIATELY.

Skin (Contact): FLUSH WITH WATER FOR 15 MINUTES. CONTACT PHYSICIAN IF IRRITATION PERSISTS.

Ingestion (Swallowing): DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER AND/OR MILK. CONSULT PHYSICIAN IMMEDIATELY.

Inhalation (Breathing): REMOVE TO FRESH AIR. AID IN BREATHING IF NECESSARY AND GET IMMEDIATE MEDICAL ATTENTION IF NEEDED.

Section VII - Precautions for Safe Handling & Use

Steps to be taken in Case Material is Released or Spilled

WEAR APPROPRIATE PROTECTIVE EQUIPMENT. CONTAIN SPILL AND RECOVER CLEAN MATERIAL. SWEEP UP WASTE WITHOUT RAISING DUST AND DISPOSE.

Waste Disposal Method:
FEDERAL REGULATIONS.

DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND

Handling and Storage

KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. STORE ONLY IN WELL VENTILATED AREAS. AVOID BREATHING DUST, SPRAY OR MIST. STORE IN COOL, CLEAN, DRY LOCATION. STORE AWAY FROM ACIDS.

Other Precautions

SHOWERS AND EYE WASH FOUNTAINS SHOULD BE MADE AVAILABLE WHERE CHEMICALS ARE USED.



Mac-GILL CHEMICAL COMPANY VIII-3

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EMERGENCY 24 HOUR CHEMTREC NO. 800-424-9300

MATERIAL SAFETY DATA SHEET

POWER STATE 640-D

10/1/78

Section VIII - Control Measures

Respiratory Protection (Specify Type)

USE NIOSH APPROVED EQUIPMENT WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED

VENTILATION

Local

Mechanical

RECOMMENDED TO MAINTAIN BELOW TLV

Protective Gloves

NEOPRENE RUBBER

Eye Protection

SPLASH GOGGLES OR FACE SHIELD

Other Protective Clothing or Equipment

PROTECTIVE CLOTHING SUFFICIENT TO PREVENT SKIN CONTACT

Work/Hygienic Practices

WASH THOROUGHLY BEFORE EATING, SMOKING OR USING TOILET FACILITIES.

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEFENDABLE AND IS ACCURATE TO THE BEST OF THE SELLER'S KNOWLEDGE, HOWEVER, THE SELLER MAKES NO WARRANTY WHATSOEVER, EXPRESSED, IMPLIED, OR OF MERCHANTABILITY REGARDING THE ACCURACY OF SUCH DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. THE SELLER ASSUMES NO RESPONSIBILITY FOR INJURY TO THE BUYER OR TO THE THIRD PARTY PERSONS OR FOR ANY DAMAGE TO ANY PROPERTY AND ASSUMES ALL SUCH RISK.

METAL PROCESSING SYSTEMS

IX-1

6-7140
JNK

MATERIAL SAFETY DATA SHEET 87

FORM 88-1-1

In compliance with the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard as published in the Code of Federal Regulations 29 CFR 1910.1200



DATE OF PREPARATION 8/16/90
PREPARED BY Dick Karbo

HMIS HAZARD IDENTIFICATION

HAZARD RATINGS	PRODUCT HAZARD	
Minimal 0	HEALTH	1
Slight 1	FLAMMABILITY	1
Moderate 2		
Serious 3	REACTIVITY	0
Severe 4		

MACKAY/IOWA ENVELOPES - Mt. Pleasant, IA

Section I - IDENTIFICATION

158699

KOHL MADDEN PRINTING INK CORPORATION
782 - 29th Ave. S. E.
Minneapolis, MN. 55414
EMERGENCY PHONE: 612-378-9000

~~ROT Reflex Blue PMS-6000-MO~~

~~ALL ROT~~

Section II - HAZARDOUS INGREDIENTS

INGREDIENT:

NONE

SARA TITLE III SEC. 313 INFO.

COPPER COMPOUNDS % BY WT. 6%

BARIUM COMPOUNDS % BY WT. n/a

DATA:

Materials contained in this product are not considered hazardous as defined by the Occupational Safety and Health Administration in the 29 CFR 1910.1200 Hazard Communications Standard; Final Rule.

Section III - PHYSICAL DATA

BOILING RANGE:

470-610 F

EVAPORATION RATE:

SLOWER THAN WATER

SOLUBILITY IN WATER:

INSOLUBLE

ODOR:

OILY

Section IV - FIRE & EXPLOSION DATA

FLASH POINT: GREATER THAN 200° F (CLOSED CUP METHOD, ASTM D3278-82)

FLAMMABILITY CLASSIFICATIONS: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION - CLASS III B
NATIONAL FIRE PROTECTION ASSOCIATION - CLASS I
DEPARTMENT OF TRANSPORTATION - NOT REGULATED

EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICAL

Section V - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: ☒ DERMAL ☐ INHALATION ☐ INGESTION

EFFECTS OF OVEREXPOSURE:

PROLONGED CONTACT WITH SKIN OR EYES CAN CAUSE IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

NONE

CARCINOGENICITY:

MATERIALS CONTAINED IN THIS PRODUCT ARE NOT LISTED AS KNOWN OR POTENTIAL CARCINOGENS BY THE NATIONAL TOXICOLOGY PROGRAM (NTP) OR THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC). MATERIALS CONTAINED IN THIS PRODUCT ARE NOT OSHA REGULATED UNDER 29 CFR 1910 SUBPART Z.

EMERGENCY AND FIRST AID PROCEDURES:

IN CASE OF CONTACT WITH EYES, WASH EYES IMMEDIATELY WITH WATER UNTIL IRRITATION STOPS.

IN CASE OF SKIN CONTACT, WASH AFFECTED AREA WITH SOAP AND WATER. SEEK MEDICAL ASSISTANCE AS REQUIRED.

Section VI - REACTIVITY DATA

PRODUCT STABILITY: ☒ STABLE ☐ UNSTABLE

CONDITIONS TO AVOID:
NOT APPLICABLE

Section VII - SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL IS SPILLED OR RELEASED:

FOR SMALL SPILLS: WIPE UP AND STORE WIPERS IN UNDERWRITERS* APPROVED CONTAINERS.

FOR LARGE SPILLS: SCOOP MATERIAL INTO SEALABLE CONTAINERS. WIPE UP REMAINDER AND STORE WIPERS IN UNDERWRITERS* APPROVED CONTAINERS.

WASTE DISPOSAL METHOD:

DISPOSE IN ACCORDANCE WITH PREVAILING LOCAL, STATE, AND FEDERAL REGULATIONS

Section VIII - SPECIAL PROTECTION INFORMATION

VENTILATION:
LOCAL EXHAUST DESIRABLE

RESPIRATORY PROTECTION:
NONE REQUIRED FOR NORMAL OPERATION

PROTECTIVE GLOVES:
NOT NORMALLY REQUIRED

EYE PROTECTION:
NOT NORMALLY REQUIRED

Section IX - SPECIAL PRECAUTIONS

STORAGE:
STORE IN CLOSED CONTAINERS.

HANDLING:
AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH HANDS AFTER USE.
CHANGE CLOTHING, IF CONTAMINATED.
DO NOT CONSUME FOOD OR BEVERAGE WHERE PRODUCT IS USED.

THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS SHEET ARE BELIEVED TO BE ACCURATE AND REPRESENT THE BEST AVAILABLE INFORMATION. SINCE THIS PRODUCT MAY BE USED UNDER CONDITIONS BEYOND OUR CONTROL, NO WARRANTY IS MADE RESPECT TO THE USE OF THIS PRODUCT.

18

PF 802
X-1

MATERIAL SAFETY DATA SHEET

FOR PRINTING INK AND RELATED MATERIALS

INFORMATION ON THIS FORM IS PROPRIETARY INFORMATION AND FURNISHED
SOLELY FOR THE USE OF OUR CUSTOMERS

DATE OF PREP 11/1/85 PREPARED BY H. E. Schepers

HAZARD RATINGS

Minimal 0
Slight 1
Moderate 2
Serious 3
Severe 4

HEALTH	3
FLAMMABILITY	3
REACTIVITY	0

Section I

MANUFACTURER'S NAME: INMONT CORPORATION

STREET ADDRESS: 36 TRIANGLE PARK

TRADE NAME: FLEXOGLEEM PF800

CITY, STATE AND ZIP CODE: CINCINNATI, OHIO 45246

PRODUCT CLASS: SOLVENT INK

EMERGENCY TELEPHONE NUMBERS

(513) 771-5888 H.E. Schepers
(201) 365-3512 Environmental Health Dept.
(800) 424-9300 CHEMTREC

MANUFACTURER'S CODE IDENTIFICATION:

Section II - HAZARDOUS INGREDIENTS

Ingredient	CAS NO.	Hazard Data:	TLV/PPM
Methanol	67-56-1		200
Ethanol	64-17-5		1000
Propylene Glycol -	107-98-2		100
Methyl Ether			
V.M.&P. Naphtha	8030-30-6		300

Section III - PHYSICAL DATA

BOILING RANGE °F 147 - 250	VAPOR DENSITY: HEAVIER <input checked="" type="checkbox"/> vs. air LIGHTER <input type="checkbox"/>	LIQUID DENSITY: HEAVIER <input type="checkbox"/> vs. water LIGHTER <input checked="" type="checkbox"/>
APPEARANCE COLORED LIQUID	EVAPORATION RATE FASTER <input checked="" type="checkbox"/> vs. Butyl Acetate SLOWER <input type="checkbox"/>	TYPE OF ODOR ORGANIC SOLVENTS

Section IV - FIRE & EXPLOSION DATA

FLAMMABILITY CLASSIFICATION	OSHA I B DOT FLAMMABLE	FLASH POINT 52 - 97 RANGE °F (Method Used) TCC	LOWEST LEL VOL % 1.0
-----------------------------	---------------------------	--	-------------------------

EXTINGUISHING MEDIA:

☒ FOAM ☐ "ALCOHOL" FOAM ☐ CO2 ☐ DRY CHEMICAL ☐ WATER FOG ☐ OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS MAY IGNITE EXPLOSIVELY. VAPORS MAY SPREAD LONG DISTANCES.
EXPOSURE OF CLOSED CONTAINERS TO EXCESS HEAT DURING FIRE MAY CAUSE DISRUPTIVE PRESSURE

SPECIAL FIREFIGHTING PROCEDURES

USE WATER TO KEEP CLOSED CONTAINERS COOL

X-2

Section V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

Eye contact will cause irritation. Skin contact will cause defatting which can lead to dermatitis. Inhalation of vapors can cause headache, nausea and irritation of nose and throat. Chronic exposure above the TLV can cause injury to the central nervous system and can cause other systemic effects.

PRIMARY ROUTE(S) OF ENTRY:

☒ DERMAL

☒ INHALATION

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT - Flush with water for 15 minutes - if irritation persists, get medical attention.

SKIN CONTACT - Wash well with soap and water - use suitable handcream.

INHALATION - Remove individual to fresh air. INGESTION - Call physician immediately.

Section VI - REACTIVITY DATA

PRODUCT STABILITY

☒ STABLE

☐ UNSTABLE

CONDITIONS TO AVOID

Avoid contact with strong acids or oxidizers.

Section VII - SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area.

Remove by using suitable inert absorbing material.

WASTE DISPOSAL METHOD

In accordance with applicable local, State and Federal regulations.

Section VIII - SPECIAL PROTECTION INFORMATION

VENTILATION Use sufficient local and general ventilation to maintain vapor concentrations below stated TLV's and LEL.

PROTECTIVE GLOVES

Gloves and goggles or face shield should be worn during handling procedures where splashing is possible.

EYE PROTECTION

RESPIRATORY PROTECTION

None required under normal operating conditions.

OTHER PROTECTIVE EQUIPMENT

Protective clothing to prevent body contact.

Section IX - SPECIAL PRECAUTIONS

HANDLING AND STORING

Keep containers closed when not in use.
Keep away from excess heat.

OTHER PRECAUTIONS

MATERIAL SAFETY
DATA SHEET

P O. BOX 2219, COLUMBUS, OHIO 43216 • (614) 881-1133

24-HOUR EMERGENCY TELEPHONE (606) 324-1133

002440

ISOPROPANOL 99%

PAGE: 1

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

PRODUCT NAME: ISOPROPANOL 99%
CAS NUMBER: 67 63 0VOSS PETROLEUM
RT 4 BOX 24
MT. PLEASANT IA 5264105 50 035 9453670-
DATA SHEET NO: 0001444-004
LATEST REVISION DATE: 07/85-85199
PRODUCT: 7280000
INVOICE: 465380
INVOICE DATE: 07/14/85
TO:

ATTN: PLANT MGR./SAFETY DIR.

SECTION I-PRODUCT IDENTIFICATION

GENERAL OR GENERIC ID: ALCOHOL

HAZARD CLASSIFICATION: (03) FLAMMABLE LIQUID (173.115)

SECTION II-HAZARDOUS COMPONENTS

INGREDIENT	PERCENT	PEL	TLV	S
ISOPROPANOL	>95	400	400 PPM	-

SECTION III-PHYSICAL DATA

PROPERTY	REFINEMENT	MEASUREMENT
INITIAL BOILING POINT	FOR PRODUCT	180.00 DEG F 82.22 DEG C
VAPOR PRESSURE	FOR PRODUCT	760.00 MMHG 33.00 MMHG 68.00 DEG F 20.00 DEG C
VAPOR DENSITY	AIR = 1	2.0
SPECIFIC GRAVITY		783 - 784 77.00 DEG F 25.00 DEG C
PERCENT VOLATILES		100.00%
EVAPORATION RATE	(ETHYL ETHER = 1)	7.70

SECTION IV-FIRE AND EXPLOSION DATA

FLASH POINT(TCC) (53.00 DEG F
11.66 DEG C)

EXPLOSIVE LIMIT (PRODUCT) LOWER - 2.5%

EXTINGUISHING MEDIA: ALCOHOL FOAM OR CARBON DIOXIDE OR DRY CHEMICAL

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS: CARBON DIOXIDE AND CARBON MONOXIDE, ETC.

SPECIAL FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE WHEN FIGHTING FIRES.

UNUSUAL FIRE & EXPLOSION HAZARDS: NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

ALL FIVE GALLON PAILS AND LARGER METAL CONTAINERS SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED.

NFPA CODES: HEALTH- 1 FLAMMABILITY- 3 REACTIVITY- 0

SECTION V-HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL 400 PPM

THRESHOLD LIMIT VALUE 400 PPM

EFFECTS OF OVEREXPOSURE: FOR PRODUCT

EYES - CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.

SKIN - PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS.

BREATHING - EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIATION.

SWALLOWING - CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

MATERIAL SAFETY
DATA SHEET

24-HOUR EMERGENCY TELEPHONE (606) 321-1133

ISOPROPANOL 99%

PAGE: 2

SECTION V-HEALTH HAZARD DATA (CONTINUED)

FIRST AID:

IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE.

IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION.

IF SWALLOWED: IMMEDIATELY DRINK TWO GLASSES OF WATER AND INDUCE VOMITING BY EITHER GIVING IPECAC SYRUP OR BY PLACING FINGER AT BACK OF THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY.

IF BREATHED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

PRIMARY ROUTE(S) OF ENTRY:

INHALATION

SKIN CONTACT

SECTION VI-REACTIVITY DATA

HAZARDOUS POLYMERIZATION: CANNOT OCCUR

STABILITY: STABLE

INCOMPATIBILITY: AVOID CONTACT WITH: STRONG OXIDIZING AGENTS.

SECTION VII-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD.

LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.

WASTE DISPOSAL METHOD:

SMALL SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

LARGE SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. CONTAMINATED ABSORBENT MAY BE DEPOSITED IN A LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION VIII-PROTECTIVE EQUIPMENT TO BE USED

RESPIRATORY PROTECTION: IF TLV OF THE PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS. (SEE YOUR SAFETY EQUIPMENT SUPPLIER). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS: NATURAL RUBBER, NEOPRENE

EYE PROTECTION: CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER)

OTHER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

SECTION IX-SPECIAL PRECAUTIONS OR OTHER COMMENTS

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

OVEREXPOSURE TO MATERIAL HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: LIVER ABNORMALITIES, KIDNEY DAMAGE, BRAIN DAMAGE. OVEREXPOSURE TO COMPONENTS HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS:

OVEREXPOSURE TO MATERIAL HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: KIDNEY DAMAGE, OVEREXPOSURE TO COMPONENTS HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS:

14 0208 WASH 0050 1-2-0 XII-1

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-11327

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

Page 40	SECTION I	Revised 1 Nov. 1985
MANUFACTURER'S NAME VARN PRODUCTS CO., INC.	EMERGENCY TELEPHONE NO (201) 337-3600	
ADDRESS 175 Route 208, Oakland, NJ 07436		
CHEMICAL NAMES AND SYNONYMS NOT APPLICABLE	TRADE NAME AND SYNONYMS VARN WEB WASH	
CHEMICAL FAMILY NOT APPLICABLE	FORMULA NOT APPLICABLE	

SECTION II - HAZARDOUS INGREDIENTS					
INGREDIENTS	% RANGE	TLV (UNITS)	INGREDIENTS	% RANGE	TLV (UNITS)
Aromatic Hydrocarbon	50-60	100	[64742-95-6]		
Aliphatic Hydrocarbon	30-40	200	[64742-88-7]		
Polyglycol Ethers	<3	100	[107-93-2], [34590-94-8]		
Trade Secret	<4		(combustible)		

SECTION III - PHYSICAL DATA			
BOILING POINT (°F.) Initial	310	SPECIFIC GRAVITY (20=1)	0.820
VAPOR PRESSURE (mm Hg) 68°F	2.5	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)	4.5	EVAPORATION RATE (n-butylacetate)	5.49
SOLUBILITY IN WATER	8%		
APPEARANCE AND ODOR	Clear Liquid		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA	
FLASH POINT (Method Used) 105°F TCC	
EXTINGUISHING MEDIA CO ₂ , Powder, Foam	
SPECIAL FIREFIGHTING PROCEDURES Treat as petroleum fire. Keep container cool.	
UNUSUAL FIRE EXPLOSION HAZARDS	

SECTION V - HEALTH HAZARD

THRESHOLD LIMIT VALUE

140 PPM

EFFECTS OF OVEREXPOSURE

Inhalation; headache, dizziness, nausea. Eye; stinging.
Skin; redness, itching, dryness.

EMERGENCY AND FIRST AID PROCEDURES

Fresh air. Eye; flush with large volumes of water.
Skin; wash with soap and water, apply hand cream. In serious cases, call physician.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to Avoid)			
Strong oxidizing materials			
HAZARDOUS DECOMPOSITION PRODUCTS			
CO ₂ , CO in ignition			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Spread absorbent. Sweep up absorbent and dry in well ventilated area. Large spills; mop up and store in sealed metal container.

WASTE DISPOSAL METHOD

As above, bury or injection incineration. Subject to local sanitation laws.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION
(Specify Type)

Self contained breathing apparatus if TLV exceeded.

VENTILATION

LOCAL EXHAUST

Standard

SPECIAL

MECHANICAL
(General)

OTHER

PROTECTIVE GLOVES

Rubber or synthetic

EYE PROTECTION

goggles recommended

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from sparks, open flames or high heat source.

OTHER PRECAUTIONS

78

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-81387

XIII-1

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME RBP Chemical Corporation		EMERGENCY TELEPHONE NO. 1-414-258-0911
ADDRESS (Number, Street, City, State, and ZIP Code) 150 South 118th St., Milwaukee, WI 53214		
CHEMICAL NAME AND SYNONYMS Lithographic plate etch		TRADE NAME AND SYNONYMS Citro Plate Etch
CHEMICAL FAMILY Acid gum solution	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	N/A		BASE METAL	N/A	
CATALYST	N/A		ALLOYS	N/A	
VEHICLE	N/A		METALLIC COATINGS	N/A	
SOLVENTS	N/A		FILLER METAL PLUS COATING OR CORE FLUX	N/A	
ADDITIVES	N/A		OTHERS	N/A	
OTHERS	N/A				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Phosphoric acid				2	1mg/M
Nitric acid				2	2ppm

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O=1)	1.021
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	96
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____ =1)	N/A
SOLUBILITY IN WATER	comp.	pH	1.0
APPEARANCE AND ODOR	Yellow liquid - odorless		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	None	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA	N/A			
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	Not established
EFFECTS OF OVEREXPOSURE	Overexposure may cause irritation to eye, nose, throat and skin.
EMERGENCY AND FIRST AID PROCEDURES	
Eyes -	flush with water and call a physician
Skin -	flush with water
Ingestion - drink large volume of water, induce vomiting, call physician	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)		None special	
HAZARDOUS DECOMPOSITION PRODUCTS		None expected	
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	N/A

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Dilute with water and pump to salvage tank or flush to sewer with approval.	
WASTE DISPOSAL METHOD	
Liquid absorbant disposal or liquid incineration.	

SECTION VIII - SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type)		
None should be needed		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
	Should be used	avoid prolonged exposure
	Should be used	
PROTECTIVE GLOVES	Rubber gloves	EYE PROTECTION Safety glasses should be worn in any type of industrial operation
OTHER PROTECTIVE EQUIPMENT	None should be needed	

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Avoid spilling - adequate ventilation	
OTHER PRECAUTIONS	
For industrial use only	

96 0-7-0 XIV-1
MATERIAL SAFETY DATA SHEETEASTMAN KODAK COMPANY
343 State Street
Rochester, New York 14650

For Emergency Health, Safety, and Environmental Information, call (716) 722-5151
For all other purposes, call the Marketing and Distribution Center in your area.

Date of Preparation: 1/13/83 Revised

Approved by U.S. Department of Labor

SECTION I. IDENTIFICATION

- Product Name: **KODAK POLYMATIC Plate Cleaner**
- Formula: Aqueous Mixture
- Formula Date: 9/14/81
- Kodak Photographic Chemicals Catalog Number(s): CAT 153 5244 - 1 Quart
- Solution Number: 3995
- Kodak Accession Number: 355390

SECTION II. PRODUCT AND COMPONENT HAZARD DATA

A. COMPONENT(S):	Percent	TLV*	Kodak Accession No.	CAS Reg. No.
Water	40-50	---	035290	7732-18-5
*Petroleum distillates	35-40	---	---	---
Esterified rosin	1-10	---	---	---

[*Principal Hazardous Component(s)]

B. PRECAUTIONARY LABEL STATEMENT(S):

CAUTION! N.Y.F.D. C. OF A. NO. 1621
Use with adequate ventilation.
Avoid prolonged or repeated contact with skin.

SECTION III. PHYSICAL DATA

- Appearance and Odor: Milky white to yellow emulsion; aromatic odor
- Boiling Point: > 100 °C (> 212 °F) @ 760 mmHg
- Vapor Pressure: ~ 16 mmHg @ 20 °C
- Evaporation Rate (n-butyl acetate = 1): Not Available
- Vapor Density (Air = 1): ~ 1.9
- Volatile Fraction by Weight: ~ 85 %
- Specific Gravity (H₂O = 1): 0.93
- pH: Not Applicable
- Solubility in Water (by Weight): Appreciable

E-0012.000B
81-0176

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: 40.5 °C (105 °F) Tag closed cup
63.5 °C (179 °F) Tag open cup
- Flammable Limits in Air (Z by volume in air): Unknown
- Extinguishing Media: CO₂, Dry chemical
- Special Fire Fighting Procedures: None
- Unusual Fire and Explosion Hazards: None

SECTION V. REACTIVITY DATA

- Stability: Stable
- Incompatibility: Strong oxidizer
- Hazardous Decomposition Products:
As with any other organic material, combustion will produce carbon dioxide and probably carbon monoxide.
- Hazardous Polymerization: Will not occur.

SECTION VI. TOXICITY AND HEALTH HAZARD DATA

A. THRESHOLD LIMIT VALUE: Not Applicable

B. EXPOSURE EFFECTS:

Eyes: Contact with the liquid may cause eye irritation.

Skin: Prolonged or repeated skin contact may cause skin irritation.

C. FIRST AID:

Eyes: Immediately flush eyes with plenty of water and get medical attention.

Skin: Flush skin with plenty of water.

SECTION VII. PERSONAL PROTECTION AND CONTROLS

A. RESPIRATORY PROTECTION: None should be needed.

B. VENTILATION:

Local Exhaust: None should be needed.

Mechanical (General): Recommended

C. SKIN AND EYE PROTECTION:

Protective gloves should be worn.

Safety glasses should be worn.

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME ANCHOR/LITHKENKO	EMERGENCY TELEPHONE NO. 904 - 264-3500
ADDRESS (Number, Street, City, State, and ZIP Code) 30 INDUSTRIAL LOOP, NORTH, ORANGE PARK, FL 32073	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS #2438 14 Pure Gum Arabic
CHEMICAL FAMILY water solution of a natural gum	FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS	!	
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS Preservative	.25	5ppm			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
This is essentially a non-hazardous product: water solution of a					
natural gum.					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	1.107
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____=1)	
SOLUBILITY IN WATER	100%		
APPEARANCE AND ODOR Clear, straw colored liquid; sweet odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) None	FLAMMABLE LIMITS	Lel None	Uel None
EXTINGUISHING MEDIA Water, carbon dioxide, foam, and dry chemical.			
SPECIAL FIRE FIGHTING PROCEDURES None			
UNUSUAL FIRE AND EXPLOSION HAZARDS None			

SECTION V - HEALTH HAZARD DATA

XY-2

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE

Possible skin irritant due to preservative.

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with water for 15 minutes. See doctor. Skin: wash with soap and water immediately. Ingestion: do not induce vomiting. Seek medical attention immediately.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Small spills should be flushed with large quantities of water. Larger spills should be diluted with water and collected for later disposal.

WASTE DISPOSAL METHOD

Dispose in accordance with applicable federal, state, and local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

None

VENTILATION

LOCAL EXHAUST

SPECIAL No

MECHANICAL (General)
Acceptable

OTHER

PROTECTIVE GLOVES

Rubber

EYE PROTECTION
Goggles

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store at room temperature. Keep from freezing.

OTHER PRECAUTIONS

PAGE (2)
CPO 520-540

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results obtained from its use.

Form OSHA-20
Rev. May 72

76

0-0-0

XVI-1

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 4410-1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME

RBP Chemical Corporation

EMERGENCY TELEPHONE NO.

1-414-258-0911

ADDRESS (Number, Street, City, State, and ZIP Code)

150 S. 118th St., Milwaukee, WI 53214

CHEMICAL NAME AND SYNONYMS

Lithographic press blanket wash

TRADE NAME AND SYNONYMS

RBP Blanket Conditioner

CHEMICAL FAMILY

Solvent mixture

FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	N/A		BASE METAL	N/A	
CATALYST	N/A		ALLOYS	N/A	
VEHICLE	N/A		METALLIC COATINGS	N/A	
SOLVENTS	N/A		FILLER METAL PLUS COATING OR CORE FLUX	N/A	
ADDITIVES	N/A		OTHERS	N/A	
OTHERS	N/A				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Glycol acetates				95	100ppm
Amines				5	20ppm

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O=1)	0.972
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____=1)	not determined
SOLUBILITY IN WATER	partially		
APPEARANCE AND ODOR	Colorless liquid - amine odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	144°F COC	FLAMMABLE LIMITS	not established	Lel	Uel
EXTINGUISHING MEDIA	CO ₂ , foam or dry chemical				
SPECIAL FIRE FIGHTING PROCEDURES	None				
UNUSUAL FIRE AND EXPLOSION HAZARDS	None				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Not established

EFFECTS OF OVEREXPOSURE Not established

EMERGENCY AND FIRST AID PROCEDURES

Eyes - flush with water, call a physician

Skin - flush with soap and water

Ingestion - induce vomiting and call a physician

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATABILITY (Materials to avoid) Alkali

HAZARDOUS DECOMPOSITION PRODUCTS Small amount nitrogen oxides

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	N/A

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Dilute with water and flush to sewer with approval

WASTE DISPOSAL METHOD

Absorbent disposal or drain with approval

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) None should be needed

VENTILATION	LOCAL EXHAUST	N/A	SPECIAL
	MECHANICAL (General)	N/A	OTHER

PROTECTIVE GLOVES

Rubber or plastic

EYE PROTECTION

Safety glasses should be worn in any type of industrial operation

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid spilling

OTHER PRECAUTIONS

For industrial use only

UNIT OR TYPE

(Form designed for use on cello (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

I A D 0 9 8 7 2 1 5 1 7

Manifest Document No.

8 9 3 9 6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but items D, F, H and I are required by State law.

A. State Manifest Document Number

INA 0390376

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone

319 385 0547

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

219-397-3951

Generator's Name and Mailing Address

MacKay Envelope Corporation

Harvey Road

Mount Pleasant, IA 52641

4. Generator's Phone (319) 385-9061

5. Transporter 1 Company Name

Alter Trucking & Terminal Corp.

6. Use EPA ID Number

I A D 1 6 9 8 5 5 7 2 3

7. Transporter 2 Company Name

8. Use EPA ID Number

9. Designated Facility Name and Site Address

PCIA

4343 Kennedy

East Chicago, IN 46312

10. Use EPA ID Number

I N D 0 0 0 6 4 6 9 4 3

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. Waste flammable liquid, n.o.s., flammable liquid, UN 1993

12. Containers

No. Type

0 1 2 d.m

13. Total Quantity

0 0 6 0 0 gal

14. Unit Wt/Vol.

gal

Waste No.

D001

J. Additional Descriptions for Materials Listed Above

PCIA waste code #3677

IC Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Seal # 9095

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
RONALD J. CLOUSE

Signature
Ronald J. Clouse

Date
Month 11 Day 15 Year 89

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Randall C. Noble

Signature
Randall C. Noble

Date
Month 11 Day 15 Year 89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted item 19.

Printed/Typed Name
LITA LAGUINAS

Signature
Lita Laguinias

Date
Month 11 Day 15 Year 89

GENERATOR NOTIFICATION OF TREATMENT REQUIREMENTS BY WASTE RESTRICTED FROM LAND DISPOSAL

XVII - 2

Case No. 89396Waste Code: 0001Waste Profile: 3677

Pollution Control Industries of America, Inc. EPA No. IND000646943

This serves as notice that this waste stream comes under the Land Disposal Restrictions and is subject to 40 CFR 268. The following checked substances and treatment standards are those applicable to this stream.

40 CFR Part 268 Appendix II

FOOD-FOOD SPENT SOLVENTS	Treatment Standard (by Material)			
	Wastewater	Technology	AC	Other
Axetone	0.05	AC	0.05	
n-Butyl Alcohol	0.0	SS	0.0	
Carbon Disulfide	1.0b	SS	1.1	
Carbon Tetrachloride	0.05	B	0.05	
Chlorobenzene	0.05	SSAC	0.05	
Chloroacetic acid	2.32	AC	0.05	
Cyclohexane	0.124	SS	0.12	
1,2-Dichloroethane	0.05	SSAC	0.125	
Ethyl Acetate	0.05	SS	0.05	
Ethyl Benzene	0.05	B	0.05	
Ethyl Ether	0.05	SS	0.05	
Isobutanol	0.05	SS	0.05	
Methanol	0.05	SS	0.05	
Methylene Chloride	0.05	B	0.05	
Methylene Chloride from Pharmaceutical Industry	12.7	B	0.05	
Methyl Ethyl Ketone	0.05	SS	0.05	
Methyl Isobutyl Ketone	0.05	SS	0.05	
Nitrobenzene	0.05	SSAC	0.125	
Pyridine	1.12	SSAC	0.12	
Tetrachloroethylene	0.079	B	0.05	
Toluene	1.12	SSAC	0.12	
1,1,1-Trichloroethane	1.05	SS	0.11	
1,1,2-Trichloroethane	1.05	SS	0.11	
Trichloroethylene	0.062	SSAC	0.091	
Trichlorofluoromethane	0.05	B	0.05	
Xylene	0.05	AC	0.12	

- (1) SS = Steam Stripping; B = Biological Treatment;
AC = Activated Carbon.
(2) The treatment standards in this group are based on incineration.

40 CFR Part 268 Appendix III

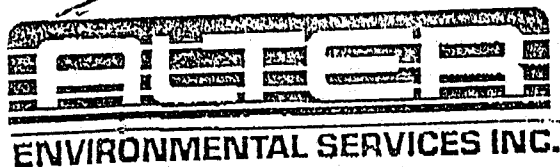
- ☐ Liquid Hazardous Waste having a pH less than or equal to 2.
- ☐ Liquid Hazardous Waste containing PCB's at a concentration greater than or equal to 50 ppm.
- ☐ Liquid Hazardous Waste that is primarily water and contains halogenated organic compounds (HOC's) in total concentrations greater than or equal to 1000 ppm and less than 10,000 ppm.
- ☐ Liquid Hazardous Waste, including free liquids associated with any solid or sludge, containing the following metals or compounds or their metals at concentrations greater than or equal to those specified below:
- _____ Arsenic(As) 500 ppm
 - _____ Cadmium(Cd) 100 ppm
 - _____ Chromium(Cr) 800 ppm
 - _____ Lead(Pb) 500 ppm
 - _____ Mercury(Hg) 20 ppm
 - _____ Nickel(Ni) 134 ppm
 - _____ Selenium(Se) 100 ppm
 - _____ Thallium(Tl) 130 ppm
- ☐ Liquid Hazardous Waste, including free liquids associated with any solid or sludge, containing free cyanides at concentrations greater than or equal to 1000 ppm.

☒ The waste identified above must be treated to the appropriate standard identified in 40 CFR 268 Subpart D.

☐ The waste identified above is subject to a clean-up extension under 40 CFR 268.5, a petition under 40 CFR 268.5, a nationwide variance under Subpart C, or another exemption from the November 8, 1996 land disposal prohibition date.

☐ The waste identified above has been treated, the treatment residuals have been tested in accordance with the facility MAP, and the residues have been found to meet the performance standards specified in 40 CFR Subpart D. "I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to achieve the performance levels specified in 40 CFR Part 268 Subpart D without dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Generator Name: MACKAY ENVELOPEEPA ID: IND0098721517Generator Representative Signature: Ronald J. ClougeName & Title of Representative: RONALD J. CLOUGE P.T. MGR.



XVIII -1

CORPORATE OFFICE:
626 Schmidt Road P.O. Box 3643 Davenport, Iowa 52003
Phone (319) 328-7650 (800) 852-8754
FAX (319) 323-1307

FAX to:

Number of Pages: 7
(Including this page)

Name: Ron Clouse
Company: Mackay Envelope
FAX No.: 319-385-9624
From: Heidi Streffling

Attached please find a proposal for transportation and disposal of waste ink, as well as the necessary paperwork to recertify the material at PCIA, the disposal facility.

Please authorize AES to proceed with scheduling a shipment of Mackay Envelope's waste by signing the enclosed Service Contract and returning it to our office. Should you have any questions, please contact me at 800-852-8754.

disposal. 12 dr @ \$123 = 1476
transport. 12 dr @ 50 = 600
stop off fee = 100
labelling 35
\$2211 max post min \$2038 - 11 drums

This transmission is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited.

If you have received this communication in error, please notify us immediately by phone and return the original message to us. Thank You!

If you have problems receiving this FAX, please call: (319) 328-7650

Heidi
Date: 8-6-91

Sender Initial HAS

Time: _____

AES Form #FA051790



ENVIRONMENTAL SERVICES INC.

CORPORATE OFFICE:
626 Schmidt Road P.O. Box 3643 Davenport, Iowa 52803
Phone (319) 328-7650 (800) 852-8754
FAX (319) 323-1307

Proposal #910490T

SERVICE CONTRACT

Confirmation of acceptance of this proposal may be accomplished by signing and returning two copies of this contract with accompanying purchase order, if applicable. This proposal shall remain valid if accepted within 60 days.

All options described herein are accepted with the following exceptions:

ACCEPTED BY CLIENT

By: Ronald J. Clouse

Name: RONALD J. CLOUSE
(Print)

Title: PLANT MANAGER - MACKAY

Date: 8/6/91

Authorization or P.O. Number 14159

ACCEPTED BY AES

By: _____

Name: _____
(Print)

Title: _____

Date: _____

TERMS: PAYABLE UPON COMPLETION

Mackay Envelope
Waste ink
PCIA #3677MATERIAL CERTIFICATION

Please complete all appropriate or marked sections.

I, the undersigned, under penalty of law, do hereby certify that the waste material submitted for acceptance to Pollution Control Industries of America, Inc. is NOT subject to the land disposal ban as defined in 40 CFR Part 268.

Authorized signature_____
Date

For waste subject to the land disposal ban, please check appropriate box(es):

- | | | |
|--|---|--|
| <input type="checkbox"/> F001-F005 Solvent waste | <input type="checkbox"/> California Waste | <input type="checkbox"/> 1st Third Listed (See FR 53, 158, 8/17/8) |
| <input type="checkbox"/> HOC > 1,000 ppm | (See FR 52, 139, 7/8/87) | <input type="checkbox"/> 2nd Third Listed (See FR 54, 120, 6/23/8) |
| | | <input checked="" type="checkbox"/> 3rd Third Listed (See FR 54, 224, 11/22/8) |

I, the undersigned, under penalty of law, do hereby certify that the waste material submitted for acceptance to Pollution Control Industries of America, Inc. does not contain Polychlorinated biphenyls (PCBs) at a concentration greater than 49 ppm and was not derived from a source greater than 50 ppm as defined in 40 CFR 761.

Ronald J. Clouse

Authorized signature

8/6/91

Date

I, the undersigned, under penalty of law, do hereby certify that the waste material submitted for acceptance to Pollution Control Industries of America, Inc. does not contain materials use exclusively as herbicides or pesticides at a concentration which would render it hazardous as defined in 40 CFR 261.

Ronald J. Clouse

Authorized Signature

8/6/91

Date

I, the undersigned, under penalty of law, do hereby certify that the waste material submitted for acceptance to Pollution Control Industries of America, Inc. is not a listed hazardous waste, and does not exhibit any of the characteristics of a hazardous waste. This waste material is therefore classified as non-hazardous as defined in 40 CFR 261.

Authorized Signature_____
Date

To the best of my knowledge this is an accurate material description and the sample submitted is representative of the material. I certify that we will not ship any waste containing material other than indicated by this Profile Sheet without prior written notification to and approval by Pollution Control Industries of America, Inc.

Name (please print) Ronald ClouseTitle PLANT MGRSignature Ronald J. ClouseDate 8/6/91

Pollution Control Industries of America

Waste Material Profile Sheet Recertification Addendum

A. GENERAL INFORMATION (GENERATOR = GEN.)

GEN. NAME: Mackay Envelope
(As will appear on manifest)

BILL TO: Alter Environmental Services

GEN. ADDRESS: P.O. Box 617
Mount Pleasant, IA 52641

ADDRESS: P.O. Box 3643
Davenport, IA 52808

TECHNICAL CONTACT: Ron Clouse

BILLING CONTACT: Heidi Streffling

TELEPHONE NO.: 319-385-9061

TELEPHONE NO.: 319-328-7663

GEN. US EPA I.D.# IAD098721517

GEN. STATE I.D.#: _____

WASTE STREAM NO.: 3677

GENERATOR COMMON NAME FOR WASTE: waste ink

PROCESS GENERATING WASTE: left over alcohol ink from discontinued process

_____ WASTE WATER ☒ NON-WASTE WATER

PHYSICAL DESCRIPTION:

Color: black

Layers	<input checked="" type="checkbox"/> One	<input type="checkbox"/> Two	<input type="checkbox"/> Three
Physical State	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Semisolid	<input type="checkbox"/> Solid
Liquid Viscosity	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High

MATERIAL COMPOSITION	MIN%	MAX%	TYPICAL%	WASTE CODES
<u>ethyl alcohol</u>	<u> </u>	<u> </u>	<u>44</u>	<u>D001</u>
<u>isopropanol</u>	<u> </u>	<u> </u>	<u>4</u>	<u>D001</u>
<u>methyl alcohol</u>	<u> </u>	<u> </u>	<u>2</u>	<u>D001</u>
<u>ink</u>	<u> </u>	<u> </u>	<u>50</u>	<u> </u>

LIST OF TOXIC CHARACTERISTIC WASTE

*Please list concentration limit at levels above or below regulatory level.

WASTE CODE NO.	CONTAMINATION	REGULATORY LEVEL (mg/L)	CONCENTRATION (mg/L)
D004	Arsenic	5.0	0
D005	Barium	100.0	0
D018	Benzene	0.5	0
D006	Cadmium	1.0	0
D019	Carbon Tetrachloride	0.5	0
D020	Chlordane	0.03	0
D021	Chlorobenzene	100.0	0
D022	Chloroform	6.0	0
D007	Chromium	5.0	0
D023	o-Cresol	200.0	0
D024	m-Cresol	200.0	0
D025	p-Cresol	200.0	0
D026	Cresol	200.0	0
D016	2,4-D	10.0	0
D027	1,4-Dichlorobenzene	7.5	0
D028	1,2-Dichloroethane	0.5	0
D029	1,1-Dichloroethylene	0.7	0
D030	2,4-Dinitrotoluene	0.03	0
D012	Endrin	0.02	0
D013	Heptachlor (and its hydroxide)	0.008	0
D032	Hexachlorobenzene	0.13	0
D033	Hexachlorobutadiene	0.5	0
D034	Hexachloroethane	3.0	0
D008	Lead	5.0	0
D013	Lindane	0.4	0
D009	Mercury	0.2	0
D014	Methoxychlor	10.0	0
D035	Methyl ethyl ketone	200.0	0
D036	Nitrobenzene	2.0	0
D037	Pentachlorophenol	100.0	0
D038	Pyridine	5.0	0
D010	Selenium	1.0	0
D011	Silver	5.0	0
D039	Tetrachloroethylene	0.7	0
D015	Toxaphene	0.5	0

LIST CONTINUED...

D040	Trichloroethylene	0.5
D041	2,4,5-Trichlorophenol	400.0
D041	2,4,6-Trichlorophenol	2.0
D042	2,4,5-TP (Silvex)	1.0
D043	Vinyl Chloride	0.2

0
0
0
0
0

- Completed by generator's knowledge of waste process. MSD SHEETS
- TCLP Analysis completed. _____ (Please Attach)

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I certify that the waste is not radioactive, pyrophoric, explosive or shock sensitive. I also certify that any samples submitted are representative of the actual waste stream.

Ronald J. Clouse
GENERATOR SIGNATURE

RONALD J. CLOUSE
PRINT NAME

8/6/91
DATE

PLANT MGR.
JOB TITLE



1) 10 Klastor ink drums
One open



2) 10 Klastor ink drums
One open



3) 10 Klastor ink drums
One open

MACRA4-IOWA
ENVELOPES
MT. PLEASANT, IA

8/6/91

DRUM WITH OPEN FUNNEL IN BUNG
HOLE. DRUM APPROXIMATELY $\frac{2}{3}$ FULL.
NINE DRUMS FULL NONE ARE LABELED
AS HAZARDOUS WASTE OR DATED.
PHOTO TAKEN FACING THE DOORWAY
OF THE WASTE STORAGE AREA
ROOM.



#1

MACRA4-IOWA
ENVELOPES
MT. PLEASANT, IA

8/6/91

DRUM WITH OPEN FUNNEL IN BUNG HOLE.
DRUM APPROXIMATELY $\frac{2}{3}$ FULL. NINE
DRUMS FULL. NONE ARE LABELED
AS HAZARDOUS WASTE OR DATED.
PHOTO TAKEN FACING DOORWAY OF
THE WASTE STORAGE AREA.



#2

MACRA4-IOWA
ENVELOPES
MT. PLEASANT, IA

8/6/91

TEN DRUMS OF WASTE INK. NONE
ARE LABELED OR DATED. PHOTO
TAKEN STANDING IN THE
DOORWAY FACING INTO THE
WASTE STORAGE AREA



#3



MACKEY - 1001
ENVELOPE
MR. PEASANT, 1A

8/6/91

TEN DRUMS OF WASTE 10K. DRUMS
ARE LABELED OR DATED. PHOTO
TAKEN STANDING IN THE
DOORWAY FACING INTO THE
WASTE STORAGE AREA

A large, stylized handwritten signature in black ink, appearing to be 'L. H. H.' or similar, written in a cursive script.

#4